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**From:** Hamilton, John (IHS/PHX) [John.Hamilton@ihs.gov]  
**Sent:** 8/8/2013 10:10:43 PM  
**To:** Lee, Bessie [Lee.Bessie@epa.gov]  
**Subject:** FW: Summary of Wednesday, August 7, 2013 Monthly Call - Hopi Water Infrastructure Projects

Here is the call summary. I wanted to get it out before I leave for two weeks. Brief, but hopefully OK.  
John

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**From:** Hamilton, John (IHS/PHX)  
**Sent:** Thursday, August 08, 2013 3:08 PM  
**To:** 'Andrew Gashwazra'; 'April Ahownewa'; 'Arnell Sieweyumtewa'; 'Bill Bettenberg'; 'Bonnie Secakuku'; Rea, Brad (IHS/PHX); 'Carmelita Coochyumtewa'; 'Christine Tawahongva'; 'Chuck Villa'; 'Clayton Honyumtewa'; 'Cristal Quinn'; 'David Talayumtewa'; 'Dennis Rodriguez'; 'ecal@moenkopidevelopers.com'; 'Eldine Stevens'; 'Elizabeth Wadsworth'; Matson, Eric (IHS/PHX); 'Everett Calnimptewa'; 'Gail Poley'; 'Garlyn Navakuku'; 'GSHonanie@hopi.nsn.us'; 'Glenn Allison'; 'Jacquelyn Lamson'; 'John Graves'; 'John Krause'; VanVleet, Joshua (IHS/PHX); 'Kathlene Sumatzkuku'; 'Kerry Brough'; 'Kim Secakuku'; 'King Honani Sr.'; 'Kristin Sieweyumtewa'; 'Leroy Sumatzkuku'; 'Leslie Nasingoetewa'; 'Lillian Dennis'; 'Reeves, Linda'; 'Ipuhuyesva@hopi.nsn.us'; 'Lorena Naseyowma'; 'Loretta Orona'; Felter, Marcus J (IHS/PHX); 'Marvin Naqua-Hyeoma'; 'Mary Navanick'; 'Melvin Todacheene'; 'Micah Lomaomvaya'; 'Michael Janes'; 'Mike Luecker'; 'Patrick Thompson'; 'PERKINS, SUSANNE'; Mitchell, Peter J (IHS/PHX); 'Phyllis Wittsell'; 'Randy Wolff'; 'Rex Wahl'; Lorenz, Robert (IHS/PHX); 'Robert Mahkewa'; 'Ronald Wadsworth'; 'Ronalyne Outie-Rios'; 'Royce Jenkins'; 'Samuel Shingoitewa'; 'Sherilyn Honanie'; 'Sherwin Heaton'; 'Shungopavi Administration'; 'Susan Secakuku'; 'UMowa@hopi.nsn.us'; 'uppermoenkopi@yahoo.com'; 'Vern Mansfield'; 'Wendell Honanie'; 'Yvonne Day'; 'Yvonne Hoosava'; Hughes, Adam ; Heintzman, Tom (IHS/PHX); Honahnie, De Alva (IHS/PHX); James Schock (James.Schock@bia.gov)  
**Subject:** Summary of Wednesday, August 7, 2013 Monthly Call - Hopi Water Infrastructure Projects

The next monthly water infrastructure call is scheduled for **Thursday, September 5, 2013 at 11:30 AM**, Hopi time. Bessie will email the agenda and call-in phone number.

**Participants:**

First Mesa Villages...Phyllis Wittsell and Gail Poley  
Upper Moenkopi ... Randy Wolff  
Sipaulovi ... King Honani Sr.and Mafa Natoni  
Hopi Tribe ... Yvonne Day, Gayl Honanie and Uberta Mowa  
Consultants ... Lynette Polari and Kerry Brough  
IHS ... Brad Rea, Adam Hughes, Tom Heintzman, Eric Matson and Robert Lorenz  
BIA ... Eldine Stevens, Wendell Honanie and Glenn Allison(BIE)  
USDA ... Loretta Orona  
HUD...Cristal Quinn  
USEPA ... Bessie Lee, Susanne Perkins and John Hamilton

**Hopi Arsenic Mitigation Project (HAMP):**

Well Drilling Well drilling is progressing and Yellow Jacket completed the pilot boring to a depth of -2500. The first of four water samples was collected and the arsenic is only 4.6 ppb, which is about ½ the MCL. We plan to sample from the other three zones of the N aquifer this week and then decide whether to complete the production well, which would include reaming and then steel casing and stainless well screens will be installed. After the well is completed, well development and test pumping will be conducted to determine the yield of the well. The well should be finished within 60 days.

HAMP Engineering IHS engineers and Hopi WRP plan to meet with village representatives on August 21 regarding the proposed water storage tank planned for the Mishongovi and Sipaulovi communities. The first site and tank configuration would have caused a visual impact on traditional ceremonies at Shungopavi, so the new location and a lower profile tank may be acceptable? After the tank location is finalized IHS will complete maps of definite location, which may be used for ROWs, if the Hopi Tribe decides ROWs are needed. Revisions of the PER and strategic plan are underway to address comments from USDA-RD. The decision by BIA/BIE to join the HAMP will have a major impact on the time required to finish these documents. Lynette asked about the status of APS or NECA power to the

well sites, and the HAMP is moving forward at the direction of the Tribe assuming electrical generators will be used initially, as the Tribe negotiates with these utilities.

BIA Participation Mr. James Schock, HQ Indian Affairs (IA) acting chief of staff for the Asst. Secretary contacted IHS for assistance in drafting a national level interagency MOA for BIA/BIE participation in the HAMP. In addition, IHS and the Tribe are developing a draft project planning agreement to include land access, cultural and biological surveys, floodplain analysis and 404 permit requirements, engineering alternatives and environmental review for connection of the three BIA operated water systems serving Keams Canyon, the Jr/Sr High School and Second Mesa Day School. While the estimated cost of planning agreement related activities is approximately \$150,000, we have not yet secured reliable water use data for the Keams Canyon system to calculate prorata shares. It's understood that IHS has staff housing on the Keams Canyon system and there are about 60 Hopi tribal member houses served. The draft planning agreement should be completed within two weeks, and then forwarded to Mr. Schock, Wendell Honanie, OFMC and Judy Wilson for review. Eldine indicated the agreement should be signed at the IA level and they are looking for planning funds.

Strategic Plan Brad Rea, IHS district utility consultant is working closely with BIA Agency staff and village representatives to collect user information, population, water production, utility budgets and collections, and subsidies or other sources of income for the water utilities. At the present time, Brad was not able to meet with the FMCV Business Manager, although he hopes to shortly. The three CSAs from the mesa-top villages would also like to participate. Bernie Navakuku will be CSA next Monday.

HUD CDBG Funding The Tribe is eligible for up to \$2.2 million in CDBG grant funds annually, although HAMP funding would need to be at the stage where water service would be delivered to communities. HUD is still reviewing 2013 grant applications, including the Sipaulovi CDBG application for water system improvements that include a portion of the pipelines planned for the HAMP.

USDA-RD Funding RD awaits completion of the PER and related documents. We have no firm date on when this will be completed and it certainly is a function of BIA/BIE participation.

#### **Shungopavi Water Project:**

HAMP Waterline Extension The EPA grant to fund a 2000 LF extension of the Shungopavi water system north along SR 264, which was funded with funds remaining in the above project, has been approved by EPA. IHS is drafting a Project Summary and MOA and they asked Lionel to seek Tribal Council review and approval.

IHS Project Engineer Marcus Felter is transferring to IHS's Western Arizona District Office in Tempe, AZ, on September 16 after serving 5 years at Hopi. We will all miss Marcus and wish him the best. IHS will recruit to fill this position at Hopi. In addition, a new project engineer, Mr. Jesse Dakota, has started work at the Pinetop-Lakeside District Office and has been assigned to the Shungopavi project. He will meet shortly with village representatives to consider hydraulic issues for the above project.

#### **Upper Moenkopi Water and Wastewater:**

Wastewater Treatment EPA has drafted a letter to the Hopi Chairman asking if the Tribe would like to consult with EPA on enforcement issues related to the Moenkopi discharge permit. EPA is considering possible enforcement actions. The wastewater treatment plant seems to be operating in compliance with the NPDES discharge permit at the present time. Past quarterly Discharge Monitoring Reports (DMRs) are still required, and Kerry is reviewing reports drafted by Notah, although it's understood old plant operation data is missing. IHS and Dave Wallace from RCAC have been very helpful in training of operators and troubleshooting. MDC is working with IHS to arrange a three day operator training course in September. Waste Management is hauling sludge and there are no plans to fix and use the drying beds.

Water System The RO water treatment plant is now offline as a result of fuses blown during an electrical storm. Replacement fuses are being secured from Flagstaff. The water storage tanks are about ½ full. Well #1 is also having electrical problems, as the grid voltage is undependable at best. Water system operators now include Leonard Jackson and Jason Watson.

New Water Storage Tank Eddie C. resigned, so Randy is responsible for managing the construction of the new water storage tank. The ring wall will be installed next week and tank erection begins September 9<sup>th</sup>. The new water line from the wells has been deleted from the project as costs are estimated to be about \$300,000.

Community Water Meters The village plans to start installing the last 15 residential water meters now that the backhoe has been repaired.

John Hamilton, PE  
EPA Engineering Consultant